

Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

Total Received Quantity:	47.0000
Total Qty to Inspect (PO U/M):	0.0000
Total Reject Quantity:	0.0000
Total Receipt Value:	\$2,214.46
Total Balance Due Quantity:	0.0000

Delivery Receipt/Preuve de Livraison

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order 10/07/2015

Order
Reference
Bid
Ship

: 107543

: 29096

: 14440

: PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No. Description

AP161	ALU PLA 1.000 6061-T6 PRIME	9-89 DAS
AF1812	ALU FLA .125 X .500 6061-T6	9-89 DAS

SHIP TST COLLECT
JP

2015-07-17

Merchandise Received:

Shipping :
Package No :

Ref. :

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Customer: 6323336

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Shipping Order 10/07/2015

Order
Reference
Bid
Ship

: 107543

: 29096

: 14440

: PICK UP / PICK UP

Ship To

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Deliver	B/O Qty
AP161	ALU PLA 1.000 6061-T6 PRIME	650	650	0
	3 X 15" X 144" ****			
AF1812	ALU FLA 125 X .500 6061-T6	10	10	0
	(1 X 10')			

SHIP TST COLLECT
JP

2015-07-14

Merchandise Received:

Shipping :

Package No :

Ref. :

TST Overland Express

Overland Western International Inc.

Expéditeur ou agent (nom & adresse) / Consignor or agent (name & address)

N° de cpte expéditeur / Consignor's acct no.

Nom du transporteur / Name of carrier

N° réf. transporteur / Carrier's ref. no.

Service à la Clientèle
1-888-TST-9229

CONNAISEMENT NON NEGOCIABLE
BILL OF LADING NOT NEGOTIABLE

Notary Solutions
2625 Lakeshore Court
Lakeshore, IL 60054
Date: 12/17/15
1270 Aberdeen Street
Tulsa, OK 74104
K6A 1K7

4 750 4738586

TST Overland Express

750 4738586

4

Point d'origine / Point of origin

Destination

DECLARED VALUATION

Responsabilité maximale de 4,41 \$ le kilogramme selon le poids total de l'expédition à moins qu'une valeur supérieure n'ait été déclarée sur le recto par l'expéditeur (Conditions 9 et 10 au verso).

Maximum liability of \$4.41 per kilogram, depending on the total weight of the shipment, unless the shipper has declared a higher value on the front of the bill of lading (Conditions 9 and 10 on back).

RECEIVED AT THE POINT OF ORIGIN ON THE DATE SPECIFIED, FROM THE CONSIGNEE MENTIONED HEREIN, THE PROPERTY HEREIN AND DESTINED AS INDICATED BELOW, WHICH THE CARRIER AGREES TO CARRY AND TO DELIVER TO THE CONSIGNEE AT THE SAID DESTINATION, SUBJECT TO THE RULES AND CLASSIFICATION IN EFFECT ON THE DATE OF SHIPMENT.

It is mutually agreed, as to each carrier of all or any of the goods overall or any portion of the route to destination, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, including conditions on back hereof.

Colis-Pièces

Nombre et genre d'emballage / Description of goods and packaging (if hazardous, indicate Shipping Name, Primary Class, Subsidiary Class, Packing Group)

1 Ballot 144" x 15" x 7" 630 lbs

Instructions spéciales - Special instructions

Courrier en douane - Customs Broker

Entente spéciale entre l'expéditeur et le transporteur, y faire référence / Special agreement between consignor & carrier, advice here

Frais de recouvrement / Collection charges

AVIS DE RÉCLAMATION

AVIS DE RÉCLAMATION

Signature de l'expéditeur / Shipper's/Consignor's Signature

Signature du client / Client's Signature

Signature du consignataire / Consignee's Signature

Date

N° du sceau - Seal Numbers

Décompte - Count

Trailer Number

Date

N.B. Veuillez prendre connaissance des conditions au verso, qui sont acceptées par les présentes.

N.B. Note carefully conditions on back hereof which are hereby accepted.

Nous y allons!



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

ASTM B221-12 - AMS QQA 200/8

BILL TO	Part Code: 9	0.73	DATE OF SHIPMENT	6/27/2013	EXTRUDEX ORDER NO.	MANIFEST NO.
SHIP TO	CUSTOMER PO	C67031	ALLOY	6061	TEMPER	T6511
SO DESCRIPTION	CUSTOMER PART NUMBER	V838662	PART DESCRIPTION	1/8"X1/2" FLAT BAR	SALESMAN	HOUSE ACCOUNTS
					CERTIFICATION	ASTM B221-12 - AMS QQA 200/8
					SPECIFICATION	Samuel sind shapes

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Jun/24/13	44.9	39.5	12.10	88.5, 88.4, 88.8	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	II	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
20956 6061	0.58	0.22	0.20	0.06	0.81	0.05	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Remainder

Q 35310P

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

ASTM B221-12 - AMS QQA 200/8



We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Alt:

Signed by: _____

MILITARY TEST	No:	7661	CERTIFIED SPRAY-JONET	ISO 9001:2008 No.10/valid 2017	SLATWA
CERTIFICATE	Date:	3/23/2015			alro

CUSTOMER : OLBERT METAL SALES LIMITED

CONTRACT/ORDER : 2025
BILL OF DELIVERY : 80235818
TRUCK/CONTAINER : CAXU 7237425

MATERIAL : ALUMINUM PLATES

(u) (m) NOISES

DIMENSIONS (mm) : 70123233 0.875"1TX48.5"WDX98.5"LT

TEMPER: 1651

ACCORDING TO : ASTM B209; AMS 4027N; ANSI H35.2; ASME SB209; MSS-DS-A-250/11

ACTUAL MECHANICAL PROPERTIES

[illegible]

REMARKS

ACCORDING TO: ASTM B208-2010; AMS 4027N-2008; ANSI H35.2-2015; ASME SB209-2007; AMS-QQ-A-250/11; 1997

*Typical value, for information only.

The hereby certify that the material detailed herein has been produced and tested according to the requirements of the relevant specification and/or typical value. For information only.

According to EN 10204:2004 3.1

[illegible]

QUALITY CONTROL DEPT.

ALRO S.A. No.115, Phay Street Phone: +(40) 0249 458 117; 0249 432 058 alro@alro.ro
Fax: (40) 0249 431 487; 0249 416 982 www.alro.ro

cod 11/P-O-051/Rev.4/2012



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID PO29096
Purchase Order Date 7/10/2015
PO Print Date 7/10/2015
Page Number 1 of 2

Order From : METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA
Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name Vendor Phone 800 558 8858
Ship To Contact Ship To Phone
Ship Via: TST ground
Ship Acct:

Line	Reference	Description/	Reg Date/	CD	Reg Qty/	Unit of	Measure	Price	Extended
Nbr	Vendor Part Number		Taxable						
Line	Comments	Delivery Comments							

1	M6061T6B1.000X15.000	6061-T6 Bar 1.00 x 15.00	7/16/2015	Yes	36.00	\$	\$76.74	\$2,762.50	
MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS 417/4128/415/416 OR QQ-A-225/8 OR AMS 4160 OR ASTM B211 OR ASTM B221									

2	M6061T6B0.500X00.125	6061-T6 Bar 0.500 x 0.125	7/16/2015	FN	10.00	\$	\$0.35	\$3.50	
MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS 417/4128/415/416 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR ASTM B211 OR ASTM B221									

Note:

7/10/2015

Line Total: \$3.50

Line Total: \$2,762.50

805-07-17

PURCHASE ORDER

Purchase Order ID PO29096

Purchase Order Date 7/10/2015

PO Print Date 7/10/2015

Page Number 2 of 2

Ship To: DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

METAUX SOLUTIONS
2625 BOUL JACQUES-CARTIER EST
LONGUEUIL, QC J4N 1L7
CA

Order From:

VC-MET002

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

DART
AEROSPACE

Contact Name
Vendor Phone

800 558 8858

Ship To Contact
Ship To Phone

Ship Via:

TST Ground

Ship Acct:

PROCUREMENT CLAUSES

No
7/16/2015

1.00

\$0.00

\$0.00

Buyer
Customer PO#
Customer Tax #
Terms
Currency
FOB
Destination-Collect

Chantal Lavoie

10127-2607

Net 30

CAD

Line Total:

\$0.00

PO Total:

\$2,766.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Date: 7/10/2015

Change Nbr: 1

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO.: 079096/1132773

MATERIAL: 45061760500 x .125

THICKNESS ORDERED: .125
 THICKNESS RECEIVED: .125
 SHEET SIZE ORDERED: 6/8
 SHEET SIZE RECEIVED: 6/8

DATE: 15-07-17
 MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 10
 QUANTITY INSPECTED: 10
 QUANTITY REJECTED: 0

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL	Y	
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT MATERIAL	Y	
CORRECT REF # TO LINK CERT	Y	
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT # ON THE MATERIAL	Y	4132773
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
HRC	HRB	DUR A	DUR D	
RECORD RESULTS BELOW				
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS 9

DATE: 15-07-17

SIGNED OFF BY: _____

DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

PO / BATCH NO.: 029096/HB2773

MATERIAL: HB6176S 1000X1500

DATE: 15-07-17

THICKNESS ORDERED: 1.00
THICKNESS RECEIVED: 1.00
SHEET SIZE ORDERED: N/A
SHEET SIZE RECEIVED: N/A

MATERIAL CERT REC'D: 905
QUANTITY RECEIVED: 36
QUANTITY INSPECTED: 36
QUANTITY REJECTED: 0

DESCRIPTION	NCR (Check Y/N)	COMMENTS
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SURFACE DAMAGE	(Y)	(N)
CORRECT FINISH	(Y)	(N)
CORROSION	(Y)	(N)
CORRECT GRAIN DIRECTION	(Y)	(N)
CORRECT MATERIAL	(Y)	(N)
CORRECT THICKNESS	(Y)	(N)
PHOTO REQUIRED	(Y)	(N)
CORRECT MATERIAL	(Y)	(N)
CORRECT REF # TO LINK CERT	(Y)	(N)
CORRECT MATERIAL IDENTIFICATION	(Y)	(N)
CORRECT # ON THE MATERIAL	(Y)	(N)
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	(Y)	(N)
DOES THIS REQUIRE AN EXTRUSION REPORT	(Y)	(N)

Identify material has HB6176S 1000X1500

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: _____

SIGNED OFF BY: Alex Russell O.P.

DATE: 15-07-17

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SEE ATTACHED MRP05, T621
IS EQUIPMENT TO T62

Table 3.6.2.0(b₂). Design Mechanical and Physical Properties of 6061 Aluminum Alloy Plate

Specification	AMS 4026 and AMS-QQ-A-250/11		AMS-QQ-A-A- 250/11		AMS 4025, AMS 4027 and AMS-QQ-A-250/11	
Form	Plate					
Temper	T451		T42 ^a		→ T651 and T62 ^b ←	
Thickness, in.	0.250-2.000		2.001-3.000		3.001-4.001-	
Basis	A B		A B		A B	
Mechanical Properties: <i>F_u</i> , ksi: <i>L</i> <i>LT</i> <i>F_y</i> , ksi: <i>L</i> <i>LT</i> <i>F_{cy}</i> , ksi: <i>L</i> <i>LT</i> <i>F_{su}</i> , ksi: <i>L</i> <i>LT</i> <i>F_{brp}</i> , ksi: (e/D = 1.5) (e/D = 2.0) <i>F_{brp}</i> , ksi: (e/D = 1.5) (e/D = 2.0) <i>e</i> , percent: <i>L</i>	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
	30 32		30 32		30 30	
Physical Properties: <i>E</i> , 10 ³ ksi <i>E_c</i> , 10 ³ ksi <i>G</i> , 10 ³ ksi <i>μ</i>	9.9		10.1		3.8	
	0.33		0.098		See Figure 3.6.2.0	

- a Design allowables were based upon data obtained from testing samples of material, supplied in the O temper, which were heat treated to demonstrate response to heat treatment by suppliers. Properties obtained by the user may be lower than those listed if the material has been formed or otherwise cold or hot worked, particularly in the annealed temper, prior to solution heat treatment.
- b Design allowables were based upon data obtained from testing T651 plate and from testing samples of plate, supplied in the O temper, which were heat treated to demonstrate response to heat treatment by suppliers. Properties obtained may be lower than those listed if the material has been formed or otherwise cold worked, particularly in the annealed temper, prior to solution heat treatment.
- c Properties for this thickness apply only to T651 temper.
- d See Table 3.6.2.0(b₃).